

What is claimed is:

1. A method of remotely filling a biomass fuel chamber located within a structure having an external wall, an opening in the wall sized to receive a biomass delivery pipe, and a conduit between the wall and the fuel chamber located on an internal side of the wall, the method comprising:

transporting a sealed hopper containing biomass fuel to a point proximate the structure;

connecting the end coupling of a biomass fuel delivery hose to the wall opening, wherein a second end of the hose connects to an outlet of the hopper;

pressurizing the hopper;

opening a gate located at an outlet of the hopper so that biomass fuel enters the hose from the interior of the hopper;

closing the gate when the level of biomass fuel in the fuel chamber reaches a predetermined level; and

removing the end coupling from the wall opening.

2. The method of claim 1, additionally comprising the step of generating a signal when the level of biomass fuel in the biomass fuel bin reaches a predetermined level, and closing the gate valve when the signal is generated.

3. The method of claim 2, additionally comprising the step of generating a signal when the level of biomass fuel reaches a preselected level.

4. The method of claim 3, additionally comprising the step of closing the gate valve when the signal is generated.

5. The method of claim 1, additionally comprising the step of operating a motor driven air pump before opening the gate valve, wherein the air pump is connected to the hopper; and
stopping the air pump after completing delivery of the biomass fuel.

6. The method of claim 1, additionally comprising the step of maintaining the pressure of the hopper at about 3-7 psi.

7. A method of remotely filling a biomass fuel chamber having an opening to receive a biomass delivery pipe, the method comprising:

transporting a sealed hopper containing biomass fuel to a point proximate the fuel chamber;

connecting the end coupling of a biomass fuel delivery hose to the opening in the chamber, wherein a second end of the hose connects to an outlet of the hopper;

pressurizing the hopper;

opening a gate located at an outlet of the hopper so that biomass fuel enters the hose from the interior of the hopper;

closing the gate when the level of biomass fuel in the fuel chamber reaches a predetermined level; and

removing the end coupling from the fuel chamber opening.